विभाज्यता के नियम

Rule of Divisibility

÷

2	13	37	63
3	17	39	67
4	19	41	71
5	21	43	90
6	23	47	99
7	25	51	144
8	27	53	
9	29	59	72
10	31	61	⋮
11	33		
12			

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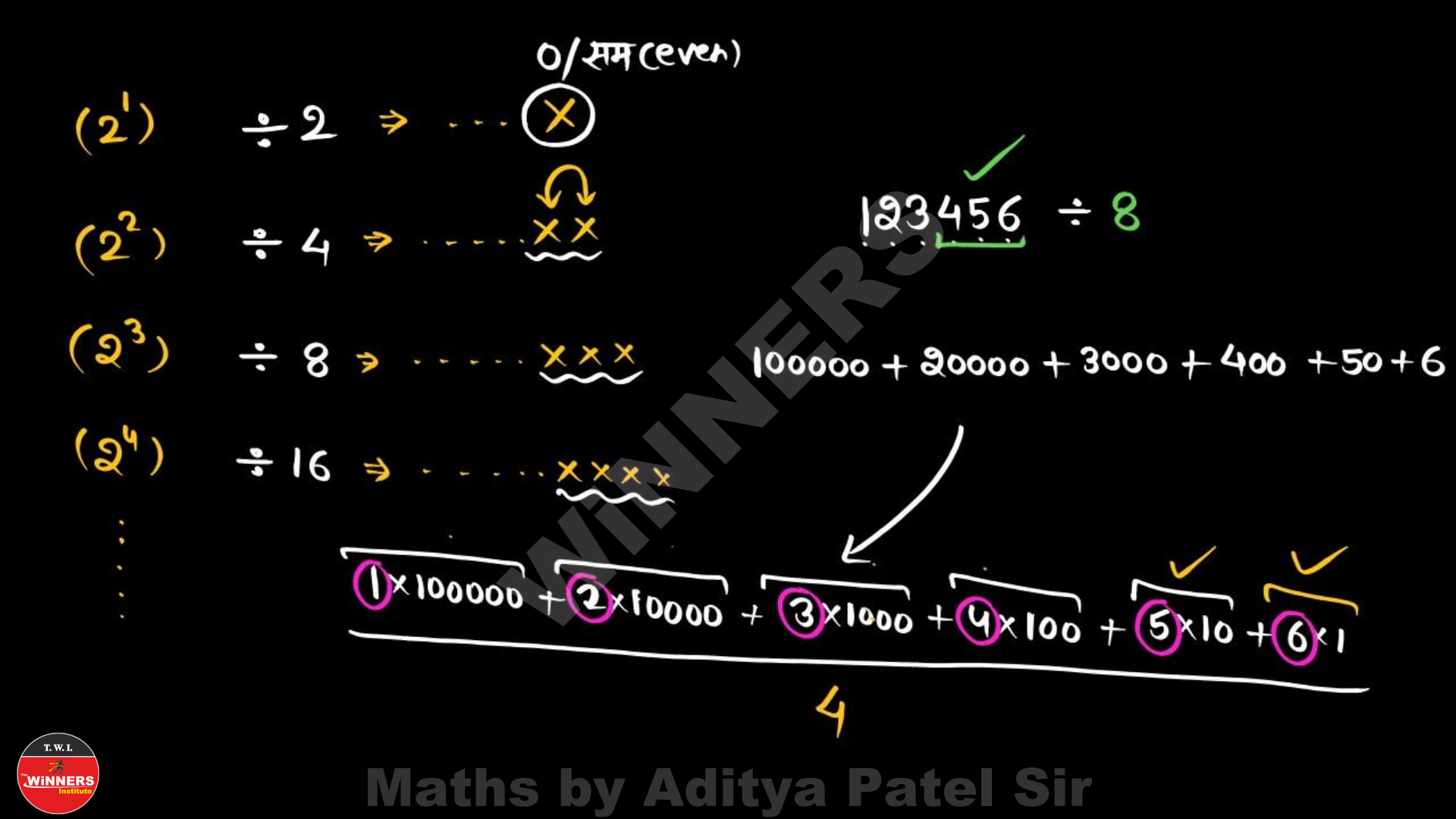
0/सम (even)
(2^1) ÷ 2 ⇒ ...
(2^2) ÷ 4 ⇒ .....
(2^3) ÷ 8 ⇒ .....
(2^4) ÷ 16 ⇒ .....
123456 ÷ 8
100000 + 20000 + 3000 + 400 + 50 + 6
1×100000 + 2×10000 + 3×1000 + 4×100 + 5×10 + 6×1
4
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÷ 5 ⇒ - - - - - ✗ 0 या 5

÷ 25 ⇒ - - - - ✗ ✗

÷ 125 ⇒ - - - - - ✗ ✗ ✗

569685 ÷ 125

✗

125
250
375
500
625
750

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÷ 3
÷ 9
} अंकों का योग Sum of Digits

÷ 9 Digital Sum

123456 ÷ 3

123456 ÷ 9

21 ÷ 9

123456789 ÷ 9

⇒

2691384432 ÷ 9

2 + A = 9

7

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$\cancel{8}\cancel{6}\cancel{9}\cancel{4}\cancel{3}\cancel{1}\cancel{4}\cancel{6}\cancel{7}\cancel{6}\cancel{3} \div 9$

21

3 शेष/R

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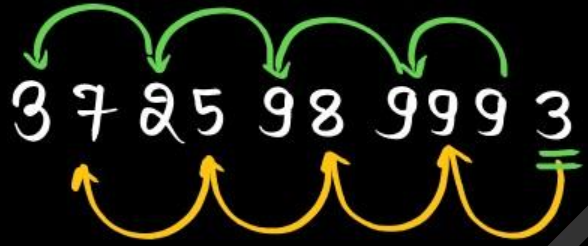
÷11



32 - 32

⇒ 0

0
11
22
33
.....

÷11

24 - 25

-1

11 - 1 = 10 शेष (R)

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$\div 7$

2 नियम

$\overline{\times\times\times}$

$\times$

$\overline{123}\underline{456} \div 7$

$$\frac{456-123}{7}$$

$$\frac{333}{7}$$

$\times$

$7 \times 3 = 21$

20 21

$\times 2\ (-)$

$$\begin{array}{r} 123456 \\ -\ 12 \\ \hline 12333 \\ -\ 6 \\ \hline 1227 \end{array}$$

$$\begin{array}{r} 1227 \\ -\ 14 \\ \hline 108 \end{array}$$

10
20
30
40
50
⋮

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÷7
÷13
÷17
÷19
÷21
÷23
÷27
÷29
÷31

÷7

7×3 = 21

20 21

आखिरी अंक

×2 −

÷13

13×3 = 39

40 39

×4 +

÷17

17×3 = 51

50 51

×5 −

÷19

20 19

×2 +

Left

10
20
30
40
50
60
70

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$246891 \div 17$

-5

24689

-20

2468

-40

284

-20

204

-20

184

-170

14

$17 \times 3 = 51$

$50 \quad 51$

$\times 5$ $-$

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÷21

20 21

×2 −

× 654312 ÷21

− 4

65427

− 14

6528

− 16

636

− 12

51

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$\div 29$

नियम $\Rightarrow \times 3, +$

$30 \quad 29$

$\times 3 \quad +$

$351509 \div 29$

$+27$

35177

$+21$

3538

$+24$

377

$+21$

58

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